

an easily volatilized form fed along with other solid feeds in a manner that is representative of normal operations.

4.5 Metals Extrapolation Method

Veolia plans to extrapolate to higher feed rate limits than actually fed during the test using the performance test -established SREs. This is appropriate since it is generally agreed that SREs at higher feed rates would be at least as good as those observed at the lower level. Any extrapolation performed will take into consideration the MACT standards to ensure full compliance. Based on previous discussions with EPA Region 5, the following approach will be used.

The average SRE for the three runs would be calculated from the feed and emission rates for each run and an average SRE for the performance test. A feed rate limit would then be calculated for each metal category by dividing 75% of the emission standard for that category by the SRE for the spiked compound representing that category. A similar approach would be followed for SVM (cadmium and lead) and for mercury. To further assure that this method is protective, Veolia proposes to limit the maximum feedrate for any one category to 10 times the spiked feed rate during the performance test. The test program will establish 12-hour feed rate limits for the MACT metals. Example calculations are show below:

Maximum emission rate for extrapolation

$$= (\text{emission standard } (\mu\text{g}/\text{m}^3 \text{ @ } 7\% \text{ O}_2) * 0.75 * Q_{\text{slack}} (\text{dscfm @ } 7\% \text{ O}_2) * 0.0283 \text{ m}^3/\text{ft}^3 * 60 \text{ min/hr}) / (453.6 \text{ g/lb} * 10^6 \mu\text{g/g})$$

Maximum extrapolated feed rate

$$= \text{Maximum emission rate} / (1 - \text{SRE from performance test})$$

4.6 Description, Preparation and Delivery of Feeds for the Performance Test [40 CFR § 63.1207 (f)(1)(vi) and (vii)]

To the extent possible (and with the exception of the spiked constituents noted above), only normal waste materials processed at the facility will be fed to the incinerator during the test program. Waste materials will be stockpiled to meet the objectives for the target performance test parameters. These wastes will be characterized in advance of the test and kept until needed. All waste materials will be delivered to the facility in accordance with routine operation and currently permitted procedures as described elsewhere in this document.

4.7 Conditioning Time Needed to Reach Steady State [40 CFR § 63.1207(f)(1)(xii)]

The incinerator will be operated for 15 minutes at the desired feed rates and operating conditions before sampling begins for a given condition of the performance test. This will assure all operating parameters are stabilized at the desired settings to achieve steady state before sampling.

4.8 Anticipated Test Schedule

The performance test will be performed over a 4-day period using a three-person field crew according to the schedule shown in **Table 4-3**. For this performance test, it is anticipated that all runs will be approximately two hours in duration, as dictated by the sample run time required for metals measurements. The performance test program for this incinerator is planned to start on or after August 1, 2008.